

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Jaw-Jung Shin, et al.  
Application Serial No.: 10/657,503  
Filed: September 8, 2003  
For: PHASE SHIFT ASSIGNMENTS FOR ALTERNATE PSM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**CERTIFICATE UNDER 37 C.F.R. §3.73(b)  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

1. The assignee of the entire right, title and interest hereby seeks to take action in the PTO in this matter.

**IDENTIFICATION OF ASSIGNEE**

2. The assignee of this matter is:

**TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.**  
No. 8, Li-Hsin Rd. 6  
Science-Based Industrial Park  
Hsin-Chu, Taiwan 300-77, R.O.C.

**PERSON AUTHORIZED TO SIGN**

3. Daniel R. McClure  
Attorney for Assignee

4. A chain of title from the inventor(s) to the current assignee is shown below:

- a. From: Jaw-Jung Shin and Jan-Wen You  
To: Taiwan Semiconductor Manufacturing Co., Ltd.  
Recorded in PTO: Reel: 014479 Frame: 0625

### **DECLARATIONS**

5. I, the undersigned, have reviewed all the documents in the chain of title of the

☒ application  
☐ patent

matter identified above and, to the best of my knowledge and belief, title is in the assignee identified above.

6. I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

7. I, the person signing below, aver that I am empowered to sign this statement on behalf of the assignee.

/Daniel R. McClure/

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**Daniel R. McClure, Reg. No. 38,962**

Tel. No. 770-933-9500  
Customer No.: 24504

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Docket No. 252016-2600